

CLAIMS:

1. A liquid crystal display device comprising:
 - pixel electrodes;
 - a common electrode;
 - a plurality of data lines and a plurality of gate lines intersecting each other;
 - 5 a plurality of switchers, provided for the pixel electrodes, for supplying signals from the data lines to the pixel electrode;
 - a gate line driver for scanning the gate lines;
 - 10 a data line driver for driving the data lines, in accordance with the gradation to be displayed; and
 - a controller for controlling the gate line driver and the data line driver, wherein
- the controller comprises a signal absence detector for detecting that no signal has been input to the liquid crystal display device,
- 15 the controller outputs a signal to the gate line driver to make all the gate lines active for a predetermined time after the signal absence detector detects that no signal has been input, and
- the controller outputs a signal, to the data line driver, to supply an electric potential, applied to the common electrode, to all the data lines for 20 the predetermined time.

2. A liquid crystal display device according to claim 1, wherein the predetermined time is a time required to discharge all the charge from the liquid crystal by supplying the common electric potential to all the pixel electrodes.
3. A liquid crystal display device according to claim 1, wherein the signal whose absence the signal absence detector detects is at least a video signal, a horizontal synchronizing signal, or a vertical synchronizing signal.
4. A liquid crystal display device according to claim 1, further comprising a power supply maintaining circuit for maintaining power after a power supply to the liquid crystal display device is turned off.
5. A liquid crystal display device according to claim 1, wherein the data line driver connects all the data lines to the ground after a power supply to the liquid crystal display device is turned off.
6. A liquid crystal display device according to claim 1, wherein the predetermined time is determined based on a time constant of a resistance and a capacitor.
7. A method for controlling a liquid crystal display device comprising:
pixel electrodes; a common electrode; a plurality of data lines and a plurality

- of gate lines intersecting each other; a plurality of switchers, provided for the pixel electrodes, for supplying signals from the data lines to the pixel electrode; a gate line driver for scanning the gate lines; a data line driver for driving the data lines, in accordance with the gradation to be displayed; and a controller for controlling the gate line driver and the data line driver, the method comprising the steps of:
- detecting that no signal is input to the liquid crystal display device;
- 10 making all the gate lines active for a predetermined time after the signal absence detector detects that no signal is input; and
- supplying an electric potential, applied to the common electrode, to all the data lines for the predetermined time.